



## Rabbit Anti-CSPP1 antibody

SL9208R

<b>Product Name:</b>	CSPP1
<b>Chinese Name:</b>	中心体和纺锤体极相关蛋白1抗体
<b>Alias:</b>	Centrosome and spindle pole associated protein 1; CSPP 1; CSPP; FLJ22490; FLJ38886; CSPP1_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	146kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CSPP1:151-250/1256
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Centrosomes are dynamic organelles involved in many aspects of cell function and growth. Centrosomes act as microtubule organizing centers, and provide a site for concerted regulation of cell cycle progression. Duplication of centrosomes occurs once during each cell cycle and requires proper mitotic spindle formation and chromosome segregation. Defects in centrosome duplication or function are linked to many human diseases, including various forms of cancer. The centrosome and spindle pole-

associated protein 1 (CSPP1) interacts with centrosomes and microtubules and may play a role in the regulation of G(1)/S-phase progression and spindle assembly. Two isoforms of CSPP1 exist as a result of alternative splicing events. Isoform 1 expression increases throughout the cell cycle and peaks in G2/M phase, whereas isoform 2 expression is highest in G1 phase and decreases thereafter.

**Function:**

May play a role in cell-cycle-dependent microtubule organization.

**Subunit:**

Interacts with PLEKHG6

**Subcellular Location:**

Cytoplasm; cytoskeleton; centrosome. Cytoplasm; cytoskeleton; spindle. Note: Associated with mitotic spindles.

**Tissue Specificity:**

Detected in testis.

**Post-translational modifications:**

Phosphorylated. Phosphorylation increases in colcemide-treated cells.

**SWISS:**

Q1MSJ5

**Gene ID:**

79848

**Database links:**

[Entrez Gene: 79848](#)Human

[Omim: 611654](#)Human

[SwissProt: Q1MSJ5](#)Human

[Unigene: 370147](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.